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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: P. A. Billing-Medel, *et al.*

Serial No.: 09/049,695

Filed: March 27, 1998

For: REAGENTS AND METHODS  
USEFUL FOR DETECTING  
DISEASES OF THE  
GASTROINTESTINAL TRACT

Examiner: K. Canella

Group Art Unit: 1642

Case No.: 6066.US.P1

Date: March 20, 2002

**Certificate of Mailing under 37 CFR**

**§1.8(a):**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as First Class Mail addressed to:

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Date of Deposit: March 21, 2002

Wanda C. Smith  
Wanda E. Smith

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Assistant Commissioner for Patents  
Box Fee Amendment  
Washington, D.C. 20231

Dear Sir:

Enclosed herewith is an Amendment and Response with Exhibit for Patricia A. Billing, *et al.*, for REAGENTS AND METHODS USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL TRACT, the specification of which was filed on March 27, 1998, and received Serial No. 09/049,695.

Also enclosed are: Request for Extension of Time  
Return-receipt postcard.

The Commissioner is hereby authorized to charge any additional Filing Fees required under 37 CFR 1.16, as well as any patent application processing fees under 37 CFR 1.17 associated with this communication for which full payment has not been tendered, to Deposit Account No. 01-0025. A duplicate copy of this sheet is enclosed.



23492

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Respectfully submitted,  
P. A. Billing-Medel, *et al.*

  
Mimi C. Goller  
Registration No. 39,046  
Attorney for Applicants



Exhibit A

(2) INFORMATION FOR SEQ ID NO:23:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 249 base pairs
- (B) TYPE: DNA
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:

GGATCAGCCA	CTGCAGCTCC	CTGAGCACTC	TCTACAGAGA	CGCGGACCCC	AGACATGAGG	60
AGGCTCCTCC	TGGTCACCAG	CCTGGTGGTT	GTGCTGCTGT	GGGAGGCAGG	TGCAGTCCCA	120
GCACCCAAGG	TCCCTATCAA	GATGCAAGTC	AAACACTGGC	CCTCAGAGCA	GGACCCAGAG	180
AAGGCCTGGG	GCGCCCGTGT	GGTGGAGCCT	CCGGAGAAGG	ACGACCAGCT	GGTGGTGCTG	240
TTCCCTGTC						249

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GGATCAGCCA	CTGCAGCTCC	CTGAGCACTC	TCTACAGAGA	CGCGGACCCC	AGACATGAGG	60
AGGCTCCTCC	TGGTCACCAG	CCTGGTGGTT	GTGCTGCTGT	GGGAGGCAGG	TGCAGTCCCA	120
GCACCCAAGG	TCCCTATCAA	GATGCAAGTC	AAACACTGGC	CCTCAGAGCA	GGACCCAGAG	180
AAGGCCTGGG	GCGCCCGTGT	GGTGGAGCCT	CCGGAGAAGG	ACGACCAGCT	GGTGGTGCTG	240
TTCCCTGTC						249

(2) INFORMATION FOR SEQ ID NO:24:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 336 base pairs
- (B) TYPE: DNA
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:24

GGCAGGTGCA	GTCCCAGCAC	CCAAGGTCCC	TATCAAGATG	CAAGTCAAAC	ACTGGCCCTC	60
AGAGCAGGAC	CCAGAGAAGG	CCTGGGGCGC	CCGTGTGGTG	GAGCCTCCGG	AGAAGGACGA	120
CCAGCTGGTG	GTGCTGTTCC	CTGTCCAGAA	GCCGAAACTC	TTGACCACCG	AGGAGAAGCC	180
ACGAGGTCA	GGCAGGGGCC	CCATCCTTCC	AGGCACCAAG	GCCTGGATGG	AGACCGAGGA	240
CACCCCTGGGC	CGTGTCTGA	GTCCCCGAGCC	CGACCATGAC	AGCCTGTACC	ACCCTCCGCC	300
TGAGGAGGAC	CAGGGCGAGG	AGAGGCCCCG	GTTGTG			336

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GGCAGGTGCA	GTCCCAGCAC	CCAAGGTCCC	TATCAAGATG	CAAGTCAAAC	ACTGGCCCTC	60
AGAGCAGGAC	CCAGAGAAGG	CCTGGGGCGC	CCGTGTGGTG	GAGCCTCCGG	AGAAGGACGA	120
CCAGCTGGTG	GTGCTGTTCC	CTGTCCAGAA	GCCGAAACTC	TTGACCACCG	AGGAGAAGCC	180
ACGAGGTCA	GGCAGGGGCC	CCATCCTTCC	AGGCACCAAG	GCCTGGATGG	AGACCGAGGA	240
CACCCCTGGGC	CGTGTCTGA	GTCCCCGAGCC	CGACCATGAC	AGCCTGTACC	ACCCTCCGCC	300
TGAGGAGGAC	CAGGGCGAGG	AGAGGCCCCG	GTTGTG			336